

# NEWS-LETTER

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MECHANICAL ENGINEERING DEPARTMENT

2024



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BLDEA's V.P.Dr.P.G. Halakatti  
College of Engineering Technology  
Ashram Road, Vijayapur-586101  
Phone: 08352-261120  
Fax: 08352-262945  
Email: [principal@bldeacet.ac.in](mailto:principal@bldeacet.ac.in)  
Web: [bldeacet.ac.in](http://bldeacet.ac.in)

# ABOUT DEPARTMENT



**Dr. R.N. Jeeragal**  
HOD Mech

The department of Mechanical Engineering is a part of B.L.D.E.A's V.P. Dr. P.G. Halakatti College of Engg. & Tech., vijayapur since its inception and was established in 1980 with intake strength of 40. The present AICTE approved intake is 150. Mechanical Engineering Program is NBA accredited. The Department has strength of 38 multifaceted faculties and is homogeneous blend of experienced and junior faculty members. The average experience of teaching faculty is about 13 years. The department has enough infra-structure required to cater the needs of mechanical degree aspirants.

## Programs Offered

B.E. in Mechanical Engineering Approved intake: 60

M.Tech in Machine Design Approved intake: 12

Ph.D.

Following activities are conducted as part of best practices in the department.

1. We prepare students ready for industry through TATA Technologies Ready Engineer Program.
2. Students Training in Industrial Automation through BOSCH REXROTH Centre of Excellence
3. Social Awareness Program in nearby villages



# VISION AND MISSION OF THE INSTITUTE

## VISION

To emerge as a Widely Acknowledged Centre in Technical Education and Research to cater the need of Society with a Futuristic outlook.

## MISSION

To Enrich Students with the essence of Science and Engineering knowledge, Professional ethics and social values.

To instil creativity and Research Temperament to Reach the Greater Heights of Professional Success.





# VISION AND MISSION OF THE DEPARTMENT

## VISION

To be recognized as a department of excellence by providing high quality mechanical engineering education also contribute in research relevant to industrial society

## MISSION

- Imparting quality education to the students and enhancing their skills to make them competitive in industry
- Establish center of excellence and collaborate with R&D organizations to foster research activities.
- Collaborate with industries to provide solutions to the identified problems.
- Promote entrepreneurship

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# EDITOR BOARD

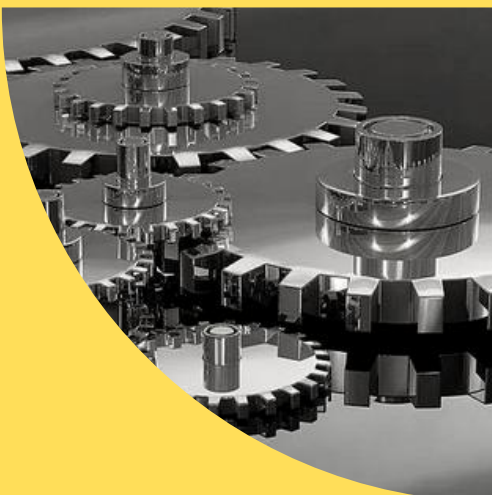
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**DR. R. N. JEERAGAL**



**PROF R.S.KATTIMANI**

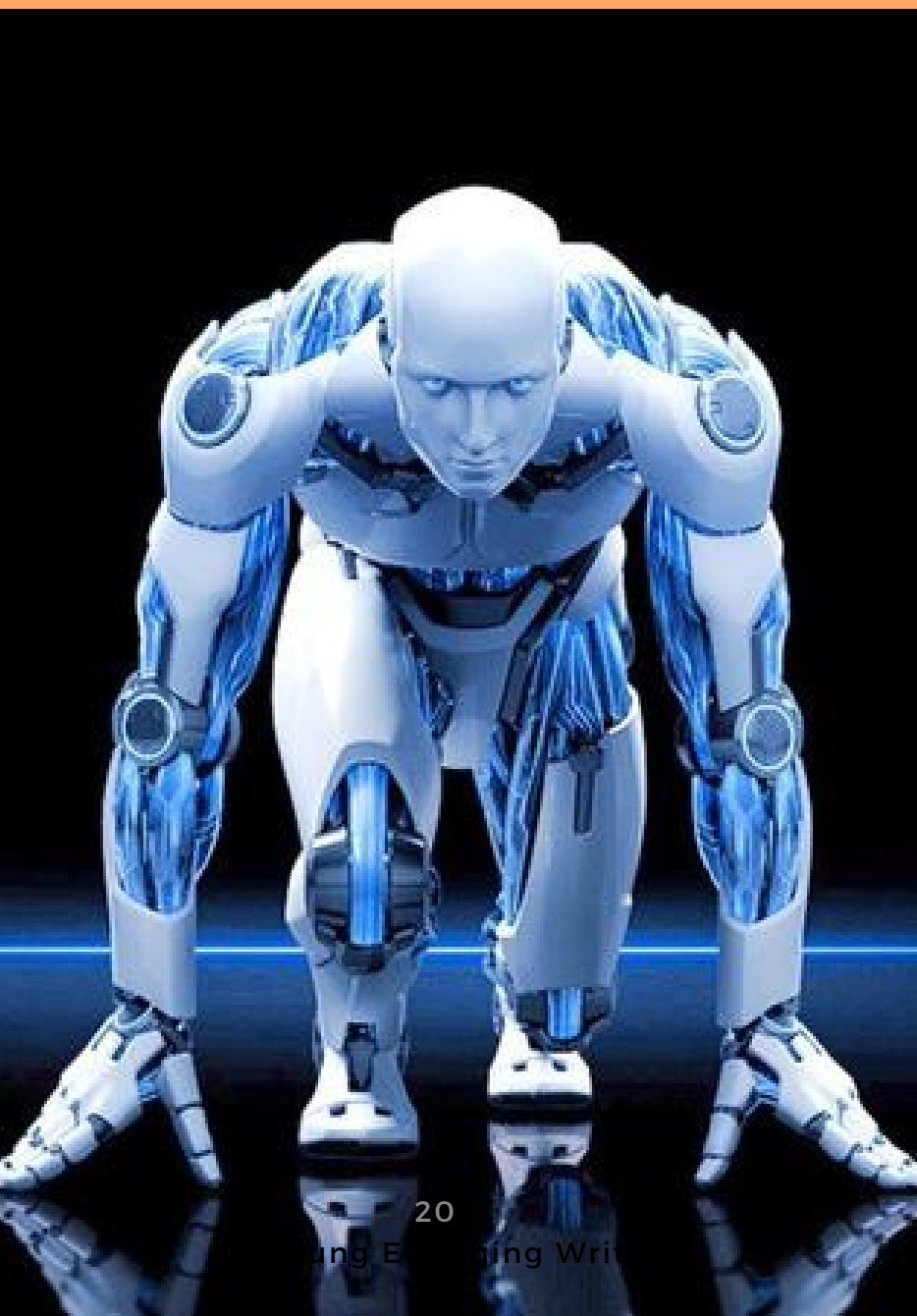


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**NEWS  
LETTER  
2024**

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# Guest Lecture

## **GUEST LECTURE ON “YOUR GATE WAY TO HIGHER EDUCATION IN INDIA AND JOBS IN PSUS.”**

**ORGANIZED BY**  
DEPARTMENT OF MECHANICAL ENGINEERING  
IN ASSOCIATION WITH  
INSTITUTE INNOVATION COUNCIL (IIC)  
ON 10- 10-2024

### **COORDINATORS**

DR.R.S.KONDAGULI  
DR.C.R.HIREMATH  
PROF.V.C.HONNUTAGI

### **Target Participants**

- Faculty and Students.
- Number of participants participated: 90

### **Details of Resource Person Name, Institute, Education**

Dr. Ramesh Chandra Mallik Indian Institute of Science Bengaluru Professor, Department of Physics

### **ACADEMIC CARRIER**

- ☒ Post Doc: Ph.D.degree (Physics) M.Sc. (Physics) Marie Curie International Incoming Fellow at DLR, Cologne, Germany with Prof Eckhard Mueller, October 2006-October 2008
- ☒ Post Doc: Chungju National University of Transportation, Republic of South Korea with Prof Il-Ho Kim, (September 2005- September 2006)
- ☒ Ph.D.degree(Physics): Department of Physics, Indian Institute of Technology, Madras, July 1999-2005
- ☒ M.Sc. (Physics) : P.G Department of Physics, Berhampur University, Ganjam, Odisha 1996-1998

### **Details of discussion in the seminar**

Mr. Dr. Ramesh Chandra Mallik highlighted following:

- Conduction of GATE exam
- Purpose of the GATE Exam
- Benefits of the GATE Exam
- Public Sector Undertaking (PSUs)
- Government Jobs



# Guest Lecture

## Outcome of the Seminar

Students got complete awareness about Conduction & Purpose of the GATE Exam. Students got to know about various job opportunities in private and public sector after qualifying Gate Exam.

## Snapshots of Event



**BLDEACET**  
B.L.D.E.A's V.P.Dr.P.G.Halakatti College of  
Engineering and Technology  
Vijayapura-586103  
**TRAINING AND PLACEMENT CELL  
&  
DEPARTMENT OF MECHANICAL ENGINEERING**

organizes  
**GUEST LECTURE**  
on  
**"Your GATEway to Higher Education  
in India and Jobs in PSUs."**

Resource Person:  
**Dr. Ramesh Chandra Mallik**  
Professor, Department of Physics  
Indian Institute of Science  
Bengaluru

Event Cordinators  
Dr.R.S.Kondaguli  
Dr.C.R.Hiremath  
Prof.V.C.Honnutagi

**10th Oct., 2024  
11:30 AM**



  
**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HOD Initiative)

  
**Dr. R.N. Jeeragal**  
HoD  
**Dr. V.G.Sangam**  
Principal



# Guest Lecture

## **GUEST LECTURE ON “POSITIVE ATTITUDE FOR TRANSFORMATIONAL CHANGE”**

### **ORGANIZED BY**

DEPARTMENT OF MECHANICAL ENGINEERING  
IN ASSOCIATION WITH  
INSTITUTE INNOVATION COUNCIL (IIC)  
ON 11- 01-2025

### **COORDINATORS**

PROF. S.V.HIREMATH  
PROF. P.L.PUTHANI  
PROF.V.C.HONNUTAGI

### **Target Participants**

- Faculty and Students.
- Number of participants participated: 43

### **Details of Resource Person Name, Institute, Education**

Prof. Venkata Satyanarayana Murty Karra

Former Dean, Department of Education Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Tamilnadu  
B.L.,B.Ed.,B.Sc.,M.A., M.Sc., M.Phil.,M.Ed.

### **ACADEMIC CARRIER**

#### **ADMINISTRATIVE POSITIONS:**

- Dean, College of Education.
- Head, Department of General Education,

•

### **Details of discussion in the seminar**

Prof. Venkata Satyanarayana Murty Karra highlighted the following points

- Role of teachers in building the students skills.
- Importance and benefits of Student Centric Approach.
- Building a comfortable environment for better communication with students.

# Guest Lecture

## Outcome of the Seminar

The participants of the seminar will be able to

- Understand the need of new pedagogies & ICT in present education system.
- Strengthening the students knowledge through problem & practical based learning technologies.
- Upgrading with the present trend to meet the student centric approach needs.

## Snapshots of Event



**BLDEACET**  
B.L.D.E.A's V.P.Dr.P.G.Halakatti College of Engineering  
and Technology  
Vijayapura-586103  
**IQAC**  
In collaboration with  
**DEPARTMENT OF MECHANICAL ENGINEERING**

organizes  
**GUEST SESSION**  
on  
**"POSITIVE ATTITUDE FOR  
TRANSFORMATIONAL CHANGE "**  
Resource Person  
**Prof. Venkata Satyanarayana Murty Karra**  
Former Dean  
Department of Education  
**Sri Chandrasekharendra Saraswathi Viswa  
Mahavidyalaya Tamilnadu**  
Event Coordinators  
Prof.V.C.Honnutagi  
Prof.P.L. Puthani  
Prof.S.V.Hiremath

**11th Jan., 2025**  
9:30 AM  
Venue  
**E&C Seminar Hall**

  
  
  
**IQAC Coordinators**  
**Dr.B.M.Angadi**  
**Dr. Asif A. Momin**  
  
**Dr. R.N. Jeeragal**  
HoD  
**Dr. V.G.Sangam**  
Principal

# Guest Lecture

## **GUEST LECTURE ON “CAMPUS RECRUITMENT - EXPERIENCE SHARING SESSION”**

**ORGANIZED BY**  
DEPARTMENT OF MECHANICAL ENGINEERING  
IN ASSOCIATION WITH  
INSTITUTE INNOVATION COUNCIL (IIC)  
ON 06-11-2024

### **COORDINATORS**

PROF. R S KATTIMANI  
PROF. R K KANAKARADDI

### **Target Participants**

- Faculty and Students.
- Number of participants participated: 95

### **Details of Resource Person Name, Institute, Education**

Mr. Basavaraj Kondaguli  
, Manager (Learning & Development), HPCL-Mittal Energy Limited, Bathinda, Punjab

### **Details of discussion in the seminar**

- Preparation for Recruitment Drives: He emphasized the importance of thorough preparation, both technically and professionally, for recruitment tests and interviews.
- Soft Skills and Communication: Mr. Kondaguli discussed the need for strong communication skills and the role of soft skills in making a positive impression on interviewers.
- Personal Experiences: Drawing from his journey from a student to a manager at HPCL-Mittal Energy, he shared anecdotes and challenges he faced in the early stages of his career, inspiring students to stay determined.
- Industry Expectations: He highlighted what companies look for in fresh graduates and shared practical advice on how students could differentiate themselves in a competitive job market.

# Guest Lecture

## Outcomes:

- **Insight into Recruitment Processes:** Participants gained an understanding of what companies look for in candidates, specifically focusing on HPCL-Mittal Energy Limited's recruitment strategies and expectations.
- **Real-World Industry Experience:** Mr. Basavaraj Kondaguli shared practical insights and challenges faced in the industry, helping students connect classroom learning with real-world applications.
- **Skill Development Guidance:** Attendees received guidance on essential skills required for successful recruitment, including technical skills, soft skills, and personality traits valued by employers in the mechanical engineering sector.
- **Preparation Tips for Campus Placement:** Students learned effective preparation techniques for campus placements, including resume building, interview preparation, and ways to make a strong first impression.
- **Networking Opportunities:** By interacting with an industry professional and alumni, students expanded their network, which could benefit them in future career opportunities.
- **Alumni Inspiration:** The session inspired students by showcasing the journey of a successful alumnus, motivating them to aim high and work diligently towards their career goals.
- **Practical Advice for Career Growth:** Mr. Kondaguli likely shared advice on continuous learning, adapting to industry changes, and strategies for long-term career success.

## Snapshots of Event





# Guest Lecture



## DEPARTMENT OF MECHANICAL ENGINEERING

Organises

## GUEST LECTURE

On

**Campus Recruitment-Experience  
Sharing Session**

**RESOURCE PERSON AND PROUD ALUMNI**

**MR BASAVARAJ KONDAGULI**

Manager (Learning & Development)  
Organisation: HPCL- Mittal Energy Limited, Bathinda, Punjab

Date: 06-11-2024

Venue: E&C Seminar Hall  
12PM

Event Co-ordinator



**PROF R S KATTIMANI**  
**PROF R K KANAKARADDI**

**DR R N JEERAGAL**  
HOD Mech

**DR V G SANGAM**  
Principal



# Seminar

## **Seminar On** **“SUICIDE PREVENTION”**

### **Contents of Seminar**

- Global epidemiology of suicide and suicide attempts
- Risk and protective factors
- The current situation in suicide prevention.
- The way forward for suicide prevention

### **Target Participants**

- Faculty and Students.
- Number of participants participated: 40

### **Event Coordinators**

Coordinators:  
Prof. S.S.Chappar,  
Prof. V.C.Honnutagi  
Department of Mechanical Engineering

### **Name of the Resource Person**

**Mr. Dr. Manovijay Kalasagond**

Details of Resource Person Name Institute Education

Dr. Manovijay Kalasagond  
Shri B.M.Patil medical college,Hospital and Research Center Vijayapura MD (BMCRI)  
Associate Professor

- Works at Bangalore Medical College and Research Institute
- Associate Professor ,Department of Psychiatry at B.L.D.E University Shri B.M.Patil medical college bijapur
- Works at Consultant in Manolaya- Neuro-Psychiatry and Deaddiction Centre Vijayapur.
- Asst.Professor, at Al-Ameen Medical College Bijapur
- Worked at Victoria Hospital

# Seminar

## Details of discussion in the seminar

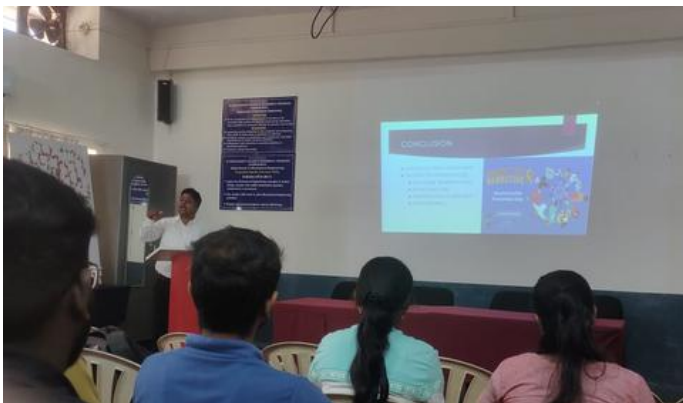
Mr. Dr. Manovijay Kalasagond highlighted following

- What is Suicide?
- Why are we not talking more about suicide?
- MYTHS VS FACTS
- Warning Signs.
- What Can I Do?

## Outcome of the Seminar

A shift from silence and secrecy towards creating a support system that promotes understanding and compassion for individuals facing depression and anxiety.

## Snapshots of Event





**B.L.D.E.A's V.P.Dr.P.G.Halakatti College of Engineering and Technology**  
Vijayapur

**DEPARTMENT OF MECHANICAL ENGINEERING**



**INSTITUTION'S INNOVATION COUNCIL**  
(University of Engineering & Technology)

on occasion of  
**World Suicide Prevention Day-2024**  
organizes  
**GUEST LECTURE**  
on  
**"Suicide Prevention "**

Resource Person:  
**Dr. Manovijay B. Kalasagond**  
MD (BMCRI)  
ASSOCIATE PROFESSOR



Event Cordinators  
Prof.S.S.Chappar  
Prof. V.C.Honnutagi

14th Sept., 2024  
10:30 AM  
Mechanical Dept.Seminar Hall

**Dr. R N Jeeragal**  
HoD

**Dr. V G Sangam**  
Principal

# Seminar

## **Seminar On** **“VEHICLE NOISE, VIBRATION AND HARSHNESS”**

### **Contents of Seminar**

- What is NVH?
- What Does NVH Stand for?
- What is NVH in Cars?
- Sources of NVH in Cars
- How is NVH Analysis Conducted?
- Acoustics Simulation Levels.
- Job opportunities in NVH

### **Target Participants**

- Faculty and Students
- Number of participants participated: 58

### **Event Coordinators**

Prof. S.R.Biradar  
Prof. V.C.Honnutagi

### **Name of the Resource Person**

**Mr. Mahendra Biradar**

Details of Resource Person Name Institute Education

Mr. Mahendra Biradar  
SJBIT Bengaluru VTU, Belgavi ,Karnataka, Bachelor of Engineering in  
Mechanical Engineering



# Seminar

- NVH optimisation of vehicles for vibration noise with respect to bench marking and responsible for target settings for 2W, 4W and home appliances.
- ·Optimisation of NVH performance with respect to gear Noise reduction & brake noise reduction for 2W & 4W.
- ·Responsible for root cause analysis of NVH Parameters and why why analysis for better optimization.
- ·Development of test methods for conducting NVH testing of systems and subsystems of automotive application.
- ·Experience in the field of Noise and Vibration analysis methods and multi-channel data acquisition system, N&V Real time analysis, Data recording and Post processing (LMS Test Lab by Siemens, PAK by Muller BBM & NV Gate OROS).
- ·Acoustics applications - FFT analysis, Order Analysis, Acoustic material testing, Sound Quality, sound intensity sound power analysis.
- · Responsible for project planning, new product development, customer communication, technical evaluation documentation and report preparation.

## **Details of discussion in the seminar**

Mr. Mahendra Biradar highlighted following

- What is NVH?
- What Does NVH Stand for?
- What is NVH in Cars?
- Sources of NVH in Cars
- How is NVH Analysis Conducted?
- Acoustics Simulation Levels.
- Job opportunities in NVH

## **Outcome of the Seminar**

- Understand basics of NVH.
- How to conduct NVH analysis?
- What are Job opportunities in the field of NVH?

# Seminar

## Snapshots of Event





**B.L.D.E.A's V.P.Dr.P.G.Halakatti College of Engineering and Technology**  
Vijayapura-586103

**DEPARTMENT OF MECHANICAL ENGINEERING**



**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HOD Initiative)

organizes

**GUEST LECTURE**  
on

**"Vehicle Noise, vibration and harshness (NVH)"**

Resource Person:

**Mahendra Biradar**

Deputy manager  
**HAVELLS INDIA LIMITED**  
NEWDELHI



**Dr. R.N. Jeeragal**  
HoD

**Dr. V.G.Sangam**  
Principal

Event Cordinators

**Prof.V.C.Honnutagi**  
**Prof.S.R.Biradar**

**19th Dec., 2024**  
**10:30 AM**

# Faculty Development Program

**On**  
**“Digital Transformation in Design and Manufacturing Using Autodesk Fusion”**  
**30th September to 5th October 2024**

## **About the training programme:**

The FDP is aimed at strengthening and expanding the faculty members' expertise in the Autodesk software so that they could provide meaningful support to their students. The session covers the various modules of software with hands-on training which enabled participants to create 3D models of parts and assemble them in Autodesk Fusion and also CNC Milling, Turning and Additive Manufacturing concepts.

## **The objectives of FDP**

Getting Started with Design and CAM, it will take users from the very basics of turning, milling and additive manufacturing, through the process of a CAM setup, creating tool paths and generating the G-code. To create a basic part while learning about design intent as well as design for manufactures (DFM).

## **The expected outcomes include;**

Autodesk Certified trainers will train the participants on peer learning concepts. Faculty proficiency in Autodesk Fusion Design & CAM. Integration with the curriculum, effective teaching, student engagement, innovative projects, interdisciplinary collaboration.

Strong assessment skills and a focus on sustainability and diversity in design and engineering. therefore become the most critical technical training and education discipline in the world of vocational training and education. While the industry needs trained manpower, the academic institutes also face the onerous task of gearing up their curricula and laboratories to international standards. It is, therefore, imperative that the industry and the academia join hands and bridge the divide that exists between theory and practice. The Centre aims at training industry personnel and students of various institutions from Engineering, Diploma and ITI Colleges in the Automation field to enable our industry personnel, faculty and student to have hands on experience and up gradation of knowledge and skills which is an essential for industry progress.

## **Course content:**

Autodesk Fusion 360

## **Inaugural Session**

The programme was inaugurated in the CAED Lab on 30th Sept 2024 at 10:30 am. The session was graced, Dr. G.V.Patil, Dr.R.N.Jeergal and all course Coordinators of the programme center for advanced studies, B.L.D.E.A's College of Engg. & Technology, Vijayapur. Dr. G.V.Patil briefed importance of various courses.Total number of participants was 40 including 7 participants from other Engineering college and Polytechnic colleges.

## **Inauguration**



## **FDP Sessions**

PAGE NO 01





**Certificate distribution**



**Photo session**



# Fresher's Day

The “MECHEXPO” Fresher's Day 2024 was nothing short of electric! Organized to celebrate the arrival of the latest batch of bright minds, this year's event was a perfect blend of energy, creativity, and camaraderie. From ice-breaking sessions to interactive games, the new faces at MECHEXPO quickly turned into familiar ones, as seniors, faculty, and fresher's bonded over a lineup of unforgettable activities

## **MESA Staff Coordinator**

Prof. S S Chappar

Prof. S V Hiremath

## **Highlights of MECHEXPO 2024**

- **Grand Welcome Ceremony:** The event kicked off with a warm welcome from faculty and seniors, setting a welcoming tone that made the fresher's feel right at home. The atmosphere was buzzing with excitement, laughter, and an incredible sense of belonging.
- **Talent Showcase:** Fresher's took the stage to showcase their unique talents. From singing and dancing to stand-up comedy and even some unexpected surprises, the new batch did not disappoint! They put on a show that kept everyone cheering, proving they're here to bring some serious talent to the campus.
- **Fun Games & Contests:** Our lineup of interactive games and friendly competitions gave freshers a taste of the MECHEXPO spirit! With activities designed to break the ice and bring out everyone's competitive side, the games fostered new friendships and unforgettable memories.
- **Welcome Party:** The evening ended with a Welcome Party at Hotel Satvam that turned into an all-out dance party! The crowd let loose, dancing under the stars, making it the perfect way to wrap up an eventful day.

MECHEXPO Fresher's Day 2024 was a celebration of new beginnings, friendships, and dreams yet to be fulfilled. Here's to the new batch as they embark on an incredible journey ahead. Welcome to MECHEXPO, Class of 2024!

The program commenced with a heartfelt welcome address by the head of the department Dr. R N Jeeragal. The HOD expressed excitement about the incoming students, emphasizing the importance of community and collaboration throughout their college journey.

A distinguished alumnus, Mr. Vijayakumar Revankar, CEO and founder of Techmantra graced the occasion as the guest speaker. Drawing from his personal experiences, he shared valuable insights and motivated the fresher's to embrace challenges and opportunities that college life brings.

The last day evening was filled with spectacular cultural performances by talented students. Dance troupes, music bands, and drama clubs showcased their skills, adding an extra layer of enthusiasm to the celebration. The vibrant performances received thunderous applause from the audience.



# Fresher's Day

During this fresher's week, to break the initial awkwardness and encourage interaction, a series of engaging ice-breaking activities were organized. The activities like Cricket, Vollyball, and Carrom etc were organized. Some of the glimpse of the event is as shown below.

## Photographs

**24th October 2024**

Inauguration at  
Department of  
Mechanical  
Engineering



**25th October 2024**

Cultural day  
Celebration



# Fresher's Day

**26th October  
2024**

Various sports and  
fun activities carried  
out among



**26th October  
2024**

Various sports and  
fun activities carried  
out among



**26th October  
2024**

Various sports and  
fun activities carried  
out among





# Fresher's Day

**27<sup>th</sup> October 2024**

This week ended with a Welcome Party at Hotel Satvam that turned into an all-out dance party! The crowd let loose, dancing under the stars, making it the perfect way to wrap up an eventful day.

**Venue: Hotel Satvam**



# Open day

Open day was organized by Mechanical Engineering Department, BLDEA's Vachana Pitamaha Dr. P.G. Halakatti College of Engineering and Technology, Vijayapur, Karnataka in association with Indian Society for Technical Education (Student Chapter).

**Coordinators: Prof R S Ellur, Prof S R Doddi Mechanical Engineering, Department.**

Target Audience: PU Students and Public.

Venue: Mechanical Engineering Department corridor, BLDEA's Vachana Pitamaha Dr. P.G. Halakatti College of Engineering and Technology, Vijayapur.

Date: 22nd MAY, 2024.

Project exhibition to exhibit the project based learning work carried out by the students. The projects exhibit the student's ability to apply their learning to solve the real world problems. Projects in the emerging areas like:

**Agriculture**

**Environment**

**Social**

**IoT**

**Other technical innovations.**

Jury Member for the event:

**Ms. Padmavati Javalakar Software Engineer Emphasis Pvt. Ltd.  
Bangalore.**

# Open day

## List of Projects

Sl. No.	Title	Guide	Name of the students	USN
1	Onion Harvesting Drive	Dr. S. S. Kulkarni Prof. V. S. Konnur	Adinath P Ijari	2BL21ME401
			Savan Chavan	2BL21ME419
2	Development and fabrication of bicycle powered water purifying system	Dr. I. G. Bhavi	Veeresh Ummarji	2BL21ME427
			Somanath Dharpal	2BL21ME421
3	Smart Farming By Using IoT	Dr. N. S. Mathapati Prof. R. M. Nyamagoudar	Abhishek Kotali	2BL21ME400
			Akshay P Pattanashetti	2BL21ME403
			Chetan Dhumale	2BL21ME405
			Raghavendra Biradar	2BL21ME418
4	Numerical Analysis of Conjugate Heat Transfer in a Turbulent Flow.	Dr. S. G. Cholake	Siddalingeshwar M Hunnur	2BL21ME420
			Tabrez Choudari	2BL21ME425
			Pradeep Shegani	2BL21ME415
			Suneel T Mudeppanavar	2BL21ME422
5	Thermal Energy Harvester: Design, Testing & IoT Applications	Dr. R. S. Kondaguli	Soumya B Shiranal	2BL20ME017
			Surabhi Deshpande	2BL21ME423
		Dr. P. V. Malaji		
6	Double Acting Power Hacksaw With Lubricating System Solar Tracker with Automatic Cleaning System	Prof. S M Hatturkar Prof. R. K. Kanakaraddi	Mohammed Yaseen	2BL21ME411
			Mujammil D Mirde	2BL21ME412
			Chandrakant Bandekar	2BL21ME404
			Halima Farhan	2BL21ME406
7	Solar Tracker with Automatic Cleaning System	Prof. R. K. Kanakaraddi	Halima Farhan	2BL21ME406
			Syed Umaid ahmed	2BL21ME424
8	Pneumatic Plate Making Machine	Prof. S. V. Hiremath	Syed Umaid ahmed	2BL21ME424
			Ajay M Chavan	2BL20ME001
9	Waste Heat Recovery Using Thermo Electric Generator	Prof. V. V. Nagathan Prof. R. S. Ellur	Rakesh Bandi	2BL20ME012
			Muhammad Junaid Jamadar	2BL20ME009



# Open day

Sl. No.	Title	Guide	Name of the students	USN
10	Investigation Of Parameter's Effect On Surface Roughness In Turning Operation	Dr. A. D. Kotagond	Md. Uzair Aurangabadi	2BL20ME008
			Manoj M Kalyanshetti	2BL20ME007
			Faizan Sharif	2BL20ME005
			Vitthal Honakatti	2BL21ME428
11	Manufacturing Eco Paint Using Cow Dung	Prof. S. S. Chappar Dr. B. M. Angadi	Vinayak B Kakkalmeli	2BL20ME022
			Md. Adnanali Inamdar	2BL21ME409
			Suarj Paramshettil	2BL21ME414
12	Experimental Study on Latent Heat Storage Materials	Prof. V. C. Nirale Dr. C. R. Hiremath	Kiran D Rathod	2BL20ME006
			Rahul Patil	2BL20ME011
13	Experimental Study on Sensible Heat Storage Materials	Dr. C. R. Hiremath	Venkat A Patil	2BL20ME020
			Vidyadhar Bagewadi	2BL20ME021
14	Design and Fabrication of Groundnut Shell Remover	Dr. I. G. Bhavi	Vishal Savant	2BL20ME024
			Sidramappa S. Chadchan	2BL20ME016
15	Fabrication of Multipurpose Agri Vehicle	Prof. P. L. Puthani Prof. A. T. Patil	Basavaraj S Uppar	2BL20ME004
			Prashanth M Giraddi	2BL20ME010
			Siddalingappa P Koti	2BL20ME015
			Vinayaka M Patil	2BL20ME023
16	Insecticides and Pesticides Spraying Vehicle for Agricultural Crops	Prof. V. C. Honnutagi Prof. S. A. Biradar	Swaroop R Bhise	2BL20ME019
			Ujwal Hiredesai	2BL21ME426
17	Electromagnetic Energy Harvesting For IoT	Dr. R. S. Kondaguli	Ajeet Rathod	2BL20ME002
			Basit Khan	2BL21ME408



# Open day

## Photographs



## A newspaper article about the events

### ಬಿಎಲ್‌ಡಿಇ ಸಂಸ್ಥೆಯ ಹಳಕಟ್ಟು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ತಾಂತ್ರಿಕ ಸಪ್ತಾಹ ಆರಂಭ

ವಿಜಯಪುರ, ೨೪- ಇಲ್ಲಿಯ ಬಿ.ಎಲ್.ಡಿ.ಇ ಸಂಸ್ಥೆಯ ವಚನ ಪಿತಾಮಹ ಡಾ. ಫ. ಗು. ಹಳಕಟ್ಟು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ತಾಂತ್ರಿಕ ಸಪ್ತಾಹ ಕಾರ್ಯಕ್ರಮದ ಅಂಗವಾಗಿ ವತಿಯಿಂದ ಬುಧವಾರ ಉದ್ಘಾಟನೆ ನಡೆಯಿತು.

ಓಪನ್ ಡೇ ಇವೆಂಟ್ ಅಂಗವಾಗಿ ಕಾಲೇಜಿನ ಅಂತಿಮ ವರ್ಷದ ವಿದ್ಯಾರ್ಥಿಗಳು ತಯಾರಿಸಿದ ನಾನಾ ಮಾದರಿಗಳ ಪ್ರದರ್ಶನ ನಡೆಯಿತು. ಕಾಲೇಜಿನ ನಾನಾ ವಿಭಾಗಗಳ ಲೆಂಕೋ ಹೆಚ್ಚು ವಿದ್ಯಾರ್ಥಿಗಳು ಒಟ್ಟು ೨೦೦ಗಿ ಮಾದರಿಗಳನ್ನು ತಯಾರಿಸಿದ್ದರು. ೭೯ ನಾವೀನ್ಯತೆ, ೫೪ ಸಾಮಾಜಿಕ ಪರಿಣಾಮ, ೧೫ ಪರಿಸರ ಕೇಂದ್ರಿತ ಹಾಗೂ ೫೫ ಅನ್ವಯಿಕೆ (ಅಪ್ಲಿಕೇಶನ್) ವಿಭಾಗಗಳಲ್ಲಿ ಮಾದರಿಗಳು ಪ್ರದರ್ಶನವಾದವು.

ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ಬೈಸಿಕಲ್ ಚಾಲಿತ ನೀರು ಶುದ್ಧೀಕರಣ ವ್ಯವಸ್ಥೆಯ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ನಿರ್ಮಾಣ, ಮಾಸ್ಕರ್ ಅಫ್ ಕಂಪ್ಯೂಟರ್ ಅಪ್ಲಿಕೇಶನ್ ವಿಭಾಗದಿಂದ ಐಒಟಿ ಆಧಾರಿತ ಹೊಗೆ ಪಲಯ ಮೇಲ್ವಿಚಾರಣಾ ವ್ಯವಸ್ಥೆ, ಮಾಹಿತಿ ವಿಜ್ಞಾನ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ಅಂಧರಿಗೆ ಸ್ಕ್ರೀನ್ ಧ-



ರಿಸಬಹುದಾದ ಸಾಧನಗಳು. ಎಲೆಕ್ಟ್ರಿಕಲ್ ಮತ್ತು ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ಎಲೆಕ್ಟ್ರಿಕ್ ವಾಹನಗಳಲ್ಲಿ ಬ್ಯಾಟರಿ ಮೇಲ್ವಿಚಾರಣಾ ವ್ಯವಸ್ಥೆಯ ವಿನ್ಯಾಸ ಮತ್ತು ಅಭಿವೃದ್ಧಿ, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಮ್ಯುನಿಕೇಷನ್ ಎಂಜಿನಿಯರಿಂಗ್ ಇಲಾಖೆಯಿಂದ ಯಂತ್ರ ಕಲಿಕೆಯನ್ನು ಬಳಸಿಕೊಂಡು ನಕಲಿ ಕರೆನ್ಸಿ ಪತ್ರೆ, ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ ಮತ್ತು ಯಂತ್ರ ಕಲಿಕೆ ಇಲಾಖೆಯಿಂದ ಆಳವಾದ ಕಲಿಕೆ ಮಾದರಿಗಳನ್ನು ಬಳಸಿಕೊಂಡು ನೆಪೋಪತಿ ಮುನ್ಸೂಚನೆ ಕುರಿತ ಮಾದರಿಗಳು ಗಮನ ಸೆಳೆದವು. ಅಲ್ಲದೇ, ಯುಎನ್‌ಇಟಿ

ಪರಿಣಾಮಕಾರಿ ವಿಭಾಗೀಕರಣ: ಒಂದು ತುಲನಾತ್ಮಕ ವಿಶ್ಲೇಷಣೆ, ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗವು ನಡೆಸಿದ ಕೃಷಿಯಲ್ಲಿ ಅನ್ವಯಿಕೆಗಳನ್ನು ಹೊಂದಿರುವ ಯೋಜನೆ, ಸಿವಿಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಇಲಾಖೆಯಿಂದ ನಡೆಸಿದ ಭೂಕಂಪ-ಸ್ಥಿತಿಶಾಸ್ತ್ರಕ ರಚನೆಗಳ ಅಧ್ಯಯನ, ಭೂಕಂಪನ ಶಕ್ತಿಗಳ ರಚನೆಗಳ ಮೇಲೆ ಕಾಲಮಾ ದೃಷ್ಟಿಕೋನದ ಪರಿಣಾಮವನ್ನು ಅಧ್ಯಯನ ಮಾಡುತ್ತದೆ, ವಾಸ್ತುಶಿಲ್ಪ ಇಲಾಖೆಯಿಂದ ಹುಬ್ಬಳ್ಳಿ-ಧಾರವಾಡದ ನವಲೂರು ರೈಲ್ವೆ ನಿಲ್ದಾಣದ

ಪುನರಾಭಿವೃದ್ಧಿ ಸೇರಿದಂತೆ ಎಲ್ಲಾ ೨೦೦ ಯೋಜನೆಗಳನ್ನು ಉದ್ದಮೆ ಮತ್ತು ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳ ವಿಷಯ ತಜ್ಞರು ಮಾಲ್ಯಮಾಪನ ಮಾಡಿದರು.

ಈ ಸಂದರ್ಭದಲ್ಲಿ ಒಟ್ಟು ೪೦ ಯೋಜನೆಗಳನ್ನು ಇಲಾಖೆಗಳಿಂದ ವರ್ಷದ ಅತ್ಯುತ್ತಮ ಯೋಜನೆ ಎಂದು ಪ್ರಶಸ್ತಿ ನೀಡಲಾಯಿತು.

ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಎ. ಜಿ. ಸಂಗಮ ನೇತೃತ್ವದಲ್ಲಿ ನಡೆದ ಈ ಕಾರ್ಯಕ್ರಮವನ್ನು ಪ್ರೌಢಶಾಲೆ, ಪಿಯು ಮತ್ತು ಪಾಲಿಟೆಕ್ನಿಕ್ ವಿದ್ಯಾರ್ಥಿಗಳು, ಶಿಕ್ಷಕರು ಮತ್ತು ಸಾರ್ವಜನಿಕರು ಮಾದರಿಗಳನ್ನು ವೀಕ್ಷಿಸಿ ಜ್ಞಾನಾರ್ಜನೆ ಮಾಡಿದರು. ಅಲ್ಲದೇ, ಈ ಕಾರ್ಯಕ್ರಮವು ಭೇಟಿ ನೀಡಿದ ವಿದ್ಯಾರ್ಥಿಗಳು ಮತ್ತು ಪೋಷಕರಿಗೆ ಕ್ಯಾಂಪಸ್ ಪ್ರವಾಸಗಳು, ಉತ್ಕೃಷ್ಟತಾ ಕೇಂದ್ರಗಳಿಗೆ ಭೇಟಿ, ಪ್ರಯೋಗಾಲಯಗಳು, ಪ್ಲೇಸ್‌ಟೇಟ್ ಸೆಲ್ ಮತ್ತು ಗ್ರಂಥಾಲಯಗಳ ಬಗ್ಗೆ ಹೆಚ್ಚಿನ ಮಾಹಿತಿ ಪಡೆಯಲು ಅನುಕೂಲ ಮಾಡಿಕೊಟ್ಟಿತು.

ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಆರ್. ಎಸ್. ಎಲ್ಲೂರು, ಡಾ. ಎಸ್. ಜಿ. ಚೋಳಕಿ ಹಾಗೂ ಡಾ. ಆರ್. ಎನ್. ಜೀರಗಾಳ ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಿಸಿದರು.

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# Open day

## Remarks:

The response for the event was wonderful. Total 200+ visitors visited the department and witnessed the technological feast served by the students of 8th semester Mechanical Engineering Department. The students from various departments, other degree colleges and their parents have visited and appreciated the work done by the students.

The projects were evaluated by the eminent person and our proud alumnus, Ms. Padmavati Javalakar, Dr N S Mathapati, Prof S.S.Chappar Three best projects were selected and awarded with a memento and a certificate each.

Top Three projects selected are as follows.

Sl. No.	Title	Guide	Name of the students
1	Onion Harvesting Drive	Dr. S. S. Kulkarni Prof. V. S. Konnur	Adinath P Ijari
			Savan Chavan
2	Development and fabrication of bicycle powered water purifying system	Dr. I. G. Bhavi	Veeresh Ummarji
			Somanath Dharpal
3	Fabrication of Multipurpose Agri Vehicle	Prof. P. L. Puthani Prof. A. T. Patil	Basavaraj S Uppar
			Prashanth M Giraddi
			Siddalingappa P Koti
			Vinayaka M Patil



# Parents Meet 2024

A "Parents' Meet" was conducted on Saturday, 08-08-2024, in the department of Mechanical Engineering from 09:00 AM to 01:00 PM. Nearly 26 parents attended the meet. The parents were happy about the teaching and learning process in the department and also about the academic progress of their wards. Interaction was held with the parents, involving the Head of the Department (HOD), parents' meet coordinators, and all the staff, who were actively engaged in the event.

## Parents gave many opinions and suggestions:

1. Some parents expressed a very positive opinion about both the teaching and learning aspects, as well as the faculty of the Department.
2. A few parents of 4th-semester lateral entry students have requested additional coaching for mathematics.
3. Additionally, some parents have requested personal care for their wards.

## Action Plan:

1. The department plans to offer additional classes for 4th-semester students in Mathematics.
2. The department is also considering providing extra coaching for students.

## Snapshots of Event





# Parents Meet 2024



**INVITATION**

BLDEA's V. P. Dr. P.G. Halakatti College of Engineering Technology,  
VIJAYAPUR

Department of Mechanical Engineering

we graciously invite you for the

**PARENTS MEET**

SATURDAY, JUNE 8TH 2024  
FROM 10AM TO 1PM

We Hope to See You There!

**VENUE:**  
Seminar Room

Dr. Neeta S. Mathapati  
Coordinator

Dr. R.N. Jeeragal  
HOD

Dr. V. G. Sangam  
Principal



# Students Achievement

**Mallu Arakeri won silver medal in VTU state level wrestling tournament 2024-25 held at GAT college, Bangalore on 15-16<sup>th</sup> November**



# Students Achievement

**3rd-year mechanical engineering students, Prajwal and Megha, have secured the 1st prize in the Ideathon competition organized by SECAB Institute of Engineering**



# Journal Publications

Vhatkar, Mahendra N., Geetanjali V. Patil, Iresh G. Bhavi, and Syed Abbasali. "Review and preliminary design of 3-D printed ABS polymer torsion element with parametric internal structures." *Materials Today: Proceedings* 72 (2023): 1094-1101.

Rajam, Cheekoti Venkata, Geetanjali V. Patil, Mahadev I. Sakri, Ramesh N. Jeeragal, and M. Adimurthy. "THERMAL AND VIBRATION ANALYSIS OF CI ENGINE USING DIESEL AND WASTE COOKING OIL BIODIESEL BLENDS." *Applied Thermal Engineering* (2023): 120949. <https://doi.org/10.1016/j.applthermaleng.2023.120949>

Vikas, A. K., G. Rajesh, AS Md Yusuf, K. Vishwanath, H. Jakeer, and B. Shridhar. "SYNTHESIS, CHARACTERIZATION, AND INVESTIGATION OF ELECTRICAL, MAGNETIC, SENSOR, AND MECHANICAL PROPERTIES OF POLYANILINE/ZINC DIOXIDE NANOCOMPOSITES." (2023) vol. 16

Mohan B. Vanarotti, B. M. Angadi, Iresh Bhavi, Mahantesh S. Matur and Kushal G. Ambli, "Optimization of Stirring Speed and Time in Achieving Sound A356-Sic MMCs and its Effects on Microstructure and Mechanical Properties", *Journal of Mines, Metals and Fuels*, 71(12A): 102-111; (2023) DOI: 10.18311/jmmf/2023/43081

Mahantesh S. Matur, Iresh Bhavi, B. M. Angadi, Mohan Vanarotti and V. V. Nagathan, "Novel Method of Cutting Glass Epoxy Laminated Composites by using Lathe Fixture and Comparative Study of Mechanical Properties", *Journal of Mines, Metals and Fuels*, 71(12A): 89-101; (2023) DOI: 10.18311/jmmf/2023/43079

Doddi, Suresh, B. R. Hosamani, Chidanand s Kusur, Prashant Puthani, and Keerti Mangond. "Analysis of Combustion Characteristics' of CI DI VCR Engine using Blends of Mixture of two Biodiesel and Diesel with Artificial Neural Network." (2023).doi: 10.20944/preprints202312.1883.v1

Ritesh Rokhade, Rohit Rathod, Rakesh Bagali, Vaseem Pated, Prashant Puthani, Sangmesh Sajjan, Ramesh Jeeragal and Malati Chanagond, "Comparison of Engine Performance and Emissions for W20 and P20 Methyl Ester Blends as Fuel", *Journal of Mines, Metals and Fuels*, 71(12): 2538-2544; 2023. DOI: 10.18311/jmmf/2023/36534

Konnur, Virupakshappa S., Sameer S. Kulkarni, Santosh V. Hiremath, Vishwanath S. Kanal, and Vinod C. Nirale. "Analysis of CNC turning parameters and simultaneous optimisation of surface roughness and material removal rate by MOGA for AISI 4340 alloy steel." *Advances in Materials and Processing Technologies* 10, no. 4 (2024): 3885-3908. <https://doi.org/10.1080/2374068X.2023.2280293>



# Journal Publications

Hiremath, Santosh, Anil R. Sahu, and Himadri Majumder. "Modeling and analysis of fused deposition modeling (FDM) process parameters on the mechanical properties of thermoplastic parts." In AIP Conference Proceedings, vol. 2427, no. 1. AIP Publishing, 2023. <https://doi.org/10.1063/5.0101241>

Malaji, P. V., Grezgorz Litak, Vikram Pakrashi, Abdessattar Abdelkefi, R. S. Kattimani, and L. N. Karadi. "Vibration Control and Energy Harvesting Using Coupled Pendulum Absorbers." In International Conference on Vibration Engineering and Technology of Machinery, pp. 381-389. Singapore: Springer Nature Singapore, 2021.

Kattimani, R. S., P. V. Malaji, S. S. Chappar, and S. Adhikari. "Enhanced vibration energy harvesting from coupled pendulums through inertial amplifiers." Smart Materials and Structures 33, no. 10 (2024): 10LT01.

Konnur, Virupakshappa S., Aravindkumar D. Kotagond, Vishwanath S. Kanal, Basavaraj M. Angadi, and Kailash S. Chadachan. "Turning of AISI 9260 using MAC nano coolant: multi-objective optimization and modeling of cutting parameters using MOGA-RSM." International Journal on Interactive Design and Manufacturing (IJIDeM) (2024): 1-29



# Sponsored Research

Items	2024-25	2023-24	2022-23	2021-22
Number of research fund received	05	05	03	02

Sl. No	Title of the Project	Name of Principal Investigator / Co-Investigator (If any)	Details of Funding Agency	Amt of Fund Sanctioned in Rs.	Year	Status
1	Iks (indian knowledge system) based healing system	Dr. G B Gour & Dr. B M Angadi	KSCST, GoK	5000	2024-25	Ongoing
2	Solar electric bicycle	S S Chappar & Dr. S G Cholate	KSCST, GoK	7000	2024-25	Ongoing
3	Agricultural farm pond (krishi honda) cleaning Machine for preventing accidental deaths & to Improve aquatic life	Dr. B M Angadi & Dr. R N Jeeragal	KSCST, GoK	7500	2024-25	Ongoing
4	DESIGN AND DEVELOPMENT OF RICE PLANTATION MACHINE	Dr. N S Mathapati	KSCST, GoK	7000	2024-25	Ongoing
5	From seed to shelf: supply chain excellence	Dr. B M Angadi & Dr. Asif Momin	AICTE Training and Learning (ATAL) Academy	600000	2024-25	ongoing
6	Onion harvesting drive	Dr. Sammer Kulkarni & V S Konnur	KSCST, GoK	7000	2023-24	Completed
7	Manufacturing of eco-friendly paint from cow dung	Dr. B M Angadi & S S Chappar	KSCST, GoK	5500	2023-24	completed
8	Development and fabrication of bicycle powered water purifying system	Dr. I G Bhavi	KSCST, GoK	6500	2023-24	Completed
9	Energy harvesting for wearable biomedical devices	Dr. Ravindra Kondaguli, Dr. Vijayakumar Warad, & Dr. P V Malaji	BLDE DU	300000	2023-24	Ongoing
10	Testing and analysis of bionic structures for manufacturing of walking aids for physically challenged	Dr. Iresh Bhavi & Dr. Sandeep Naik	BLDE DU	150000	2023-24	Ongoing
11	Analysis of bionic structures for manufacturing of walking aids for physically challenged	Dr. I G Bhavi & Dr. B M Angadi	KSCST, GoK	8000	2022-23	Completed
12	Automatic EV charging station	Dr. S G Cholate & Shriram Kulkarni	Office GCoE-ACE IIT Dharwad	142500	2022-23	Completed
13	Experimental evaluation of turning of EN9 (AISI 1055) steel with performance evaluation of coated carbide inserts and optimization of turning parameters	V S Konnur & V S Kanal	VGST GoK	1000000	2022-23	Ongoing
14	Automated sugarcane plantation equipment	Dr. Sameer S Kulakrni	KSCST, GoK	100000	2021-22	Completed
15	Analysis and development of 3D printed meta-structure based broadband energy harvester for IoT system	Dr. P V Malaji, Dr. I G Bhavi, and R M Math	VTU, GoK	800000	2021-22	Ongoing

# Consultancy

Consultancy						
Sl. No.	Title of the work	Name of the faculty	Details of funding agency	Amount	Year	Status
	Inspection charges of Garbage pushcart as per specifications	Dr. I G Bhavi	Municipal Corporation Vijayapur	5664	2021-22	Completed
	Third party inspection of Hopper Tipper Dumper vehicle Tata motors ltd Yodha BS VI	Dr. I G Bhavi	Municipal Corporation Vijayapur	93166	2021-22	Completed
	Third Party inspection of Hydraulic Tractor with Trolley	Dr. I G Bhavi	Municipal Corporation Vijayapur	77455	2021-22	Completed
	Diesel Fuel Testing	Dr. I G Bhavi	Siddappa A Dambal	10000	2023-24	Completed
	Inspection of Different Equipment of Food Industry	Dr. I G Bhavi	Shree Mahadev Engineering works	20001	2023-24	Completed
	Design and Fabrication of Rare bottle blowing fixture	Dr. I G Bhavi & R S Ellur	M/S. Pacific Beverages	1200	2023-24	Completed
<b>Total</b>				<b>207486</b>		

# List of patents of the department

Serial No.	Title	Inventor	Affiliation	Present Status	Year of grant
1	Volatile component collection unit with incineration of crude plant materials	Subhashchandra S Ganiger & Mahadev Sakri	BLDEA's V P Dr. P G Halakatti College of Engineering and Technology, Vijayapur	Granted	2022-23
2	Sugarcane plantation machine	Prof. Sameer S Kulkarni	BLDEA's V P Dr. P G Halakatti College of Engineering and Technology, Vijayapur	Granted	2023-24
3	Water monitoring system with automatic motor control	Pradeep V Malaji	BLDEA's V P Dr. P G Halakatti College of Engineering and Technology, Vijayapur	Granted	2023-24
4	Method for enhanced vibration energy harvesting from coupled pendulum through inertial amplifiers	Pradeep V Malaji, Sanosh S Chappar, Soundipon Adhikari	BLDEA's V P Dr. P G Halakatti College of Engineering and Technology, Vijayapur	Applied	2023-24



# List of patents of the department

INTELLECTUAL PROPERTY INDIA  
भारत सरकार, नया दिल्ली, Intellectual Property Office, Government of India, (विशेष सहायक सचिव, पेटेंट, नया दिल्ली)

पेटेंट सं. SL No. 044177503

**पेटेंट कार्यालय, भारत सरकार** | **The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र** | **Patent Certificate**  
(पेटेंट नियमों के नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 507606  
आवेदन सं. / Application No. : 202141004750  
फाइल करने की तारीख / Date of Filing : 03/02/2021  
पेटेंटी / Patentee : 1.VIJAYKUMAR S JATTI 2.PRADEEP V MALAJI

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में वर्णित **WATER MONITORING SYSTEM WITH AUTOMATIC MOTOR CONTROL** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 2021 के तीसरे दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।  
It is hereby certified that a patent has been granted to the patentee for an invention entitled **WATER MONITORING SYSTEM WITH AUTOMATIC MOTOR CONTROL** as disclosed in the above mentioned application for the term of 20 years from the 3<sup>rd</sup> day of February 2021 in accordance with the provisions of the Patents Act, 1970.

अनुदान की तारीख : 06/02/2024  
Date of Grant : 06/02/2024

नियम - इस पेटेंट के नवीकरण के लिए फीस, जो इसे बरकरार रखेगा, 2023 के तीसरे दिन को और उसके समान अवधि में 4<sup>th</sup> दिन पर होगी।  
Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 3<sup>rd</sup> day of February 2023 and on the same day in every year thereafter.

विशेष सचिव, पेटेंट  
Controller of Patents

INTELLECTUAL PROPERTY INDIA  
भारत सरकार, नया दिल्ली, Intellectual Property Office, Government of India, (विशेष सहायक सचिव, पेटेंट, नया दिल्ली)

पेटेंट सं. SL No. 044179367

**पेटेंट कार्यालय, भारत सरकार** | **The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र** | **Patent Certificate**  
(पेटेंट नियमों के नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 513410  
आवेदन सं. / Application No. : 201841020892  
फाइल करने की तारीख / Date of Filing : 04/06/2018  
पेटेंटी / Patentee : 1.B.L.D.E.'s V.P. Dr. P. G. Halakatti College of Engineering & Technology, Vijayapur. 2.Sameer S Kulkarni

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में वर्णित **SUGARCANE PLANTATION EQUIPMENT** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 2018 के चौथे दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।  
It is hereby certified that a patent has been granted to the patentee for an invention entitled **SUGARCANE PLANTATION EQUIPMENT** as disclosed in the above mentioned application for the term of 20 years from the 4<sup>th</sup> day of June 2018 in accordance with the provisions of the Patents Act, 1970.

अनुदान की तारीख : 21/02/2024  
Date of Grant : 21/02/2024

नियम - इस पेटेंट के नवीकरण के लिए फीस, जो इसे बरकरार रखेगा, 2020 के चौथे दिन को और उसके समान अवधि में 4<sup>th</sup> दिन पर होगी।  
Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 4<sup>th</sup> day of June 2020 and on the same day in every year thereafter.

विशेष सचिव, पेटेंट  
Controller of Patents

# Students Placement

## Placement Details: 2023-2024 Passed out Batch

- Number of Students placed in Core Technical Companies: 25
- Number of Students placed in Software Companies: 02
- Number of Students as Entrepreneurs: 01

SL.NO	Job Type	USN	Name of the student	Name of the Employer	Designation	Salary Package/CT C in LPA
1.	CORE TECHNICAL	2BL21ME427	<u>Veeresh Ummaraji</u>	Toyota Kirloskar Motor Pvt. Ltd.,	Graduate Engineer Trainee	6.26
2.		2BL21ME423	Surabhi Deshpande	Plastic Omnium Auto Exteriors (India) Pvt. Ltd.	Graduate Engineer Trainee	5.45
3.		2BL20ME024	Vishal Savant	<u>Cleverttech Packaging Automation Solutions Pvt. Ltd.</u>	Trainee Engineer	4
4.		2BL20ME020	Venkat Patil	<u>Cleverttech Packaging Automation Solutions Pvt. Ltd.</u>	Trainee Engineer	4
5.		2BL20ME010	Rahul Patil	<u>Cleverttech Packaging Automation Solutions Pvt. Ltd.</u>	Trainee Engineer	4
6.		2BL20ME022	Vinayak Basavaraj Kakkalmeli	<u>Cleverttech Packaging Automation Solutions Pvt. Ltd.</u>	Trainee Engineer	4
7.		2BL21ME408	Khan <u>Mohammadbasit Sameer</u>	Nexus Safety Solutions Pvt. Ltd.	Design Engineer	3.6
8.		2BL21ME403	Akshay Prabhu <u>Pattanashetti</u>	Panacea Medical Technologies Pvt. Ltd.	Graduate Engineer Trainee	3.3
9.		2BL21ME404	Chandrakant Bandekar	<u>Menmentor Facilities Pvt. Ltd.</u>	Engineer	2.4
10.		2BL20ME012	Rakesh Basappa Bandi	Forbes Marshall Pvt. Ltd.	Trainee Engineer	2.22
11.		2BL20ME021	Vidyadhar <u>Bagewadi</u>	<u>Difacto Robotics &amp; Automation Pvt Ltd.</u>	Graduate Engineer Trainee	2.1
12.		2BL21ME405	Chetan Dhumale	<u>Difacto Robotics &amp; Automation</u>	Graduate	2.1
13.	SOFTWARE	2BL20ME010	Prashanth M <u>Giraddi</u>	Pvt Ltd.	Engineer Trainee	
14.		2BL20ME001	Ajay Chavan	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
15.		2BL21ME400	Abhishek	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
16.		2BL20ME006	Kiran D Rathod	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
17.		2BL21ME418	Raghavendra Biradar	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
18.		2BL20ME017	Soumya B <u>Shiranal</u>	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
19.		2BL21ME415	Pradeep <u>Shegani</u>	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
20.		2BL21ME401	Adinath <u>Ijari</u>	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
21.		2BL20ME009	Muhammad J Jamadar	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
22.		2BL20ME019	Swaroop Bhise	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
23.		2BL20ME007	Manoj <u>Kalyanshetti</u>	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
24.		2BL21ME402	Akash S Navi	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
25.		2BL21ME420	<u>Siddalingeshwar M Hunnur</u>	Dhoot Transmission Pvt Ltd.	Trainee Engineer	2.5
26.		2BL21ME426	Ujjwal <u>Hiredesai</u>	<u>Corizo Edutech</u>	Business Development Associate	6.5
27.		2BL20ME016	<u>Sidramappa Suryakanth Chadchan</u>	<u>Skolar Edtech Pvt Ltd.</u>	Business Development Trainee	4.0
28.	Entrepreneur	2BL20ME015	<u>Siddalingappa P Koti</u>	Shri Raghavendra Electricals	Self employed	3.0